

# Price of Flat Fiber Optic Sensors



## AI Overview

Fiber optic flat sensors typically range from \$50 to \$500 per unit, depending on specifications, brand, and application. Fiber optic flat sensors are specialized devices used to detect flat surfaces, thin objects, or precise height differences in industrial and automation settings. Prices vary widely based on factors such as sensing distance, housing type (square, cylindrical, or miniature), environmental resistance, and whether the sensor includes an integrated amplifier or requires a separate unit.

**Typical Price Range**

- Entry-level sensors for general object detection: \$50–\$150
- High-precision or miniature sensors for detecting small objects or flat glass: \$150–\$300
- Advanced sensors with integrated amplifiers, high environmental resistance, or specialized applications: \$300–\$500 or more

**Where to Purchase**

- Mouser Electronics: Offers a wide range of fiber optic sensors with datasheets and inventory information.
- Farnell UK: Provides fast quotes, same-day dispatch, and technical support for fiber optic sensors.
- Keyence America: Supplies sensors with various head options and integrated amplifiers suitable for factory automation.
- Omron: Offers flat and square-shaped fiber optic heads for precise detection of flat surfaces, wafers, liquids, and print marks.

For exact pricing, it is recommended to contact suppliers directly or request a quote online, as prices can fluctuate based on quantity, customization, and shipping.

## Article Content

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Optical Fiber Sensors: Working Principle, Applications,

Recent progress in numerous sensing fields, including environmental, industrial, and biomedical are discussed for each class of fiber-optic sensors.

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FIBER-OPTIC SENSORS

The limited reflective fiber heads for glass detection provide a stable detection of flat glass in standard, hot or wet environment. The shapes and materials are optimized to provide the best value -

Fiber Optic Sensors - Mouser

Fiber Optic Sensors are available at Mouser Electronics. Mouser offers inventory, pricing, & datasheets for Fiber Optic Sensors.

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## Fiber-optic Sensors – Buyer's Guide & Suppliers

This buyer's guide for fiber-optic sensors provides technical background, comparison of major types, selection criteria, and an overview of suppliers.

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## Fiber Optic Sensors – Mouser

Mouser offers inventory, pricing, & datasheets for Fiber Optic Sensors.

## Fiber optic sensors and fiber optics | Baumer Germany

Product portfolio Fiber optic sensors Compact, cost-effective sensors in plastic housings Robust sensors in metal housings for demanding environmental conditions Universally applicable with plastic or glass

## FIBER-OPTIC SENSORS

Our global manufacturing network for fiber optic sensors in Ayabe (Japan), Shanghai (China) and Nufringen (Germany) focuses on continuously optimising methods for small and large volume

## Fibre Optic Sensors | KEYENCE UK & Ireland

KEYENCE UK provides Fibre Optic Sensors; Perform high-performance, high-speed detection with optical fibres designed to be used in a variety of environment

## Fiber Optic Sensors | KEYENCE America

Fiber optic sensors are compact because the detection circuit is located in the amplifier, allowing for detection even in narrow spaces. Installation and

## Fiber Optic Sensor

Fiber optic sensors are defined as devices that utilize optical fibers to measure a variety of stimuli, including mechanical, thermal, electromagnetic, radiation, chemical, and flow characteristics. They

## Contact Us

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